<110> HITOSHI, KIYOI NAOE, TOMOKI TOWATARI, MASAYUKI KITAMURA, TOSHIO

<120> METHOD FOR SCREENING CANDIDATE COMPOUNDS FOR ANTITUMOR DRUG

<130> 084335/0129

<140>

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<150> PCT/JP99/04450

<151> 1999-08-19

<150> JP 1998-233729

<151> 1998-08-20

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<170> PatentIn Ver. 2.1

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<223> FLT3/ITD gene (Mt1); partial sequence

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tca gat aat gag tac ttc tac gtt gat ttc aga gaa tat gaa tat gat 96 Ser Asp Asn Glu Tyr Phe Tyr Val Asp Phe Arg Glu Tyr Glu Tyr Asp 20 25 30

ctc aaa tgg gag ttt cca aga gaa aat tgc tcc tca gat aat gag tac 144
Leu Lys Trp Glu Phe Pro Arg Glu Asn Cys Ser Ser Asp Asn Glu Tyr
35 40 45

ttc tac gtt gat ttc aga gaa tat gaa tat gat ctc aaa tgg gag ttt 192
Phe Tyr Val Asp Phe Arg Glu Tyr Glu Tyr Asp Leu Lys Trp Glu Phe
50 55 60

cca aga gaa aat tta gag ttt ggg aag gta cta gga tca ggt gct ttt 240
Pro Arg Glu Asn Leu Glu Phe Gly Lys Val Leu Gly Ser Gly Ala Phe
65 70 75 80

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gga aaa gtg atg aac gca aca gct tat gga att agc aaa aca gga gtc
Gly Lys Val Met Asn Ala Thr Ala Tyr Gly Ile Ser Lys Thr Gly Val
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Leu Lys Trp Glu Phe Pro Arg Glu Asn Cys Ser Ser Asp Asn Glu Tyr
Phe Tyr Val Asp Phe Arg Glu Tyr Glu Tyr Asp Leu Lys Trp Glu Phe
Pro Arg Glu Asn Leu Glu Phe Gly Lys Val Leu Gly Ser Gly Ala Phe
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Ser Asp				ttc Phe											96
ctc aaa Leu Lys															144
tat gaa Tyr Glu 50		_							-	_					192
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gct tat Ala Tyr															288
atg ctg Met Leu		g													298
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		up-c	-110												
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<220> <223> FL IT <400> 4 Gln Phe	T3/I D re Arg	TD (gion	(Mt2) 1 (35 Glu 5	Ser	(54) Gln	Leu	Gln	Met 10					15		
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tca gat aat gag tac ttc tac gtt gat ttc aga gaa tat gaa atg gga
Ser Asp Asn Glu Tyr Phe Tyr Val Asp Phe Arg Glu Tyr Glu Met Gly
atg ggg gga gaa tgt aat ccc ggg aga caa gat ctc aaa tgg gag ttt
                                                                   144
Met Gly Gly Glu Cys Asn Pro Gly Arg Gln Asp Leu Lys Trp Glu Phe
cca aga gaa aat tta gag ttt ggg aag gta cta gga tca ggt gct ttt
                                                                   192
Pro Arg Glu Asn Leu Glu Phe Gly Lys Val Leu Gly Ser Gly Ala Phe
gga aaa gtg atg aac gca aca gct tat gga att agc aaa aca gga gtc
                                                                   240
Gly Lys Val Met Asn Ala Thr Ala Tyr Gly Ile Ser Lys Thr Gly Val
tca atc cag gtt gcc gtc aaa atg ctg aaa g
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Ser Ile Gln Val Ala Val Lys Met Leu Lys
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Met Gly Glu Cys Asn Pro Gly Arg Gln Asp Leu Lys Trp Glu Phe
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Gly Lys Val Met Asn Ala Thr Ala Tyr Gly Ile Ser Lys Thr Gly Val
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Ser Asp Asn Glu Tyr Phe Tyr Val Asp Phe Arg Glu Tyr Asp Glu Tyr

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20

Phe Tyr Val Asp Phe Arg Glu Tyr Glu Tyr Asp Leu Lys Trp Glu Phe 40 Pro Arg Glu Asn Leu Glu Phe Gly Lys Val Leu Gly Ser Gly Ala Phe Gly Lys Val Met Asn Ala Thr Ala Tyr Gly Ile Ser Lys Thr Gly Val 70 Ser Ile Gln Val Ala Val Lys Met Leu Lys 85 <210> 9 <211> 25 <212> DNA <213> Artificial Sequence <223> Description of Artificial Sequence: A primer for amplifying human FLT3/ITD genes caacaattgg tgtttgtctc ctctt 25 <210> 10 <211> 25 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: A primer for

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catgatatct cgagccaatc caaag

amplifying human FLT3/ITD genes.

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